

Soil Descriptions - Non Technical

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Ad--Alluvial Land

Component Description

Alluvial land

Extent: 100 percent of the unit

Aw--Alluvial Land, Wet

Component Description

Alluvial land

Extent: 100 percent of the unit

Az--Arenzville Silt Loam

Component Description

Arenzville and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

July August September October

Flooding is most likely (frequency, months):

Occasional

January February March April May

June November December

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 40 inches; silt loam

H2--40 to 60 inches;

BbA--Bixby Loam, 0 To 2 Percent Slopes

Component Description

Bixby and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.6 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 11 inches; loam

H2--11 to 28 inches;  
H3--28 to 60 inches;

**BbB--Bixby Loam, 2 To 6 Percent Slopes**

**Component Description**

Bixby and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 5.3 inches  
Content of organic matter in the upper 10 inches: 1.8 percent  
Typical profile:  
    H1--0 to 9 inches; loam  
    H2--9 to 25 inches;  
    H3--25 to 60 inches;

**BbB2--Bixby Loam, 2 To 6 Percent Slopes, Moderately Eroded**

**Component Description**

Bixby and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 5.3 inches  
Content of organic matter in the upper 10 inches: 1.8 percent  
Typical profile:  
    H1--0 to 9 inches; loam  
    H2--9 to 25 inches;  
    H3--25 to 60 inches;

**BfE--Boone Loamy Fine Sand, 18 To 35 Percent Slopes**

**Component Description**

Boone and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 35 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
    Bedrock (paralithic): 20 to 40 inches  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 2.9 inches  
Content of organic matter in the upper 10 inches: 0.5 percent  
Typical profile:  
    H1--0 to 5 inches; loamy fine sand  
    H2--5 to 19 inches;  
    H3--19 to 36 inches;

H4--36 to 60 inches;

**BhB--Boone And Chelsea Loamy Fine Sands, 2 To 6 Percent Slopes**

**Component Description**

**Boone and similar soils**

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.9 inches

Content of organic matter in the upper 10 inches: 0.5 percent

Typical profile:

H1--0 to 5 inches; loamy fine sand

H2--5 to 19 inches;

H3--19 to 36 inches;

H4--36 to 60 inches;

**Chelsea and similar soils**

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.7 inches

Content of organic matter in the upper 10 inches: 0.7 percent

Typical profile:

H1--0 to 8 inches; loamy fine sand

H2--8 to 60 inches;

**BhC--Boone And Chelsea Loamy Fine Sands, 6 To 12 Percent Slopes**

**Component Description**

**Boone and similar soils**

Extent: 50 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.9 inches

Content of organic matter in the upper 10 inches: 0.5 percent

Typical profile:

H1--0 to 5 inches; loamy fine sand

H2--5 to 19 inches;

H3--19 to 36 inches;

H4--36 to 60 inches;

**Chelsea and similar soils**

Extent: 50 percent of the unit

Slope range: 6 to 12 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 4.7 inches  
Content of organic matter in the upper 10 inches: 0.7 percent  
Typical profile:  
    H1--0 to 8 inches; loamy fine sand  
    H2--8 to 60 inches;

**BhD--Boone And Chelsea Loamy Fine Sands, 12 To 18 Percent Slopes**

**Component Description**

**Boone and similar soils**

Extent: 50 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
    Bedrock (paralithic): 20 to 40 inches  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 2.9 inches  
Content of organic matter in the upper 10 inches: 0.5 percent  
Typical profile:  
    H1--0 to 5 inches; loamy fine sand  
    H2--5 to 19 inches;  
    H3--19 to 36 inches;  
    H4--36 to 60 inches;

**Chelsea and similar soils**

Extent: 50 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 4.7 inches  
Content of organic matter in the upper 10 inches: 0.7 percent  
Typical profile:  
    H1--0 to 8 inches; loamy fine sand  
    H2--8 to 60 inches;

**BkA--Burkhardt Gravelly Sandy Loam, 0 To 2 Percent Slopes**

**Component Description**

**Burkhardt and similar soils**

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Gravelly sandy loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Somewhat excessively drained  
Flooding: None  
Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:

H1--0 to 10 inches; gravelly sandy loam  
H2--10 to 13 inches;  
H3--13 to 60 inches;

BkB2--Burkhardt Gravelly Sandy Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Gravelly sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; gravelly sandy loam  
H2--10 to 13 inches;  
H3--13 to 60 inches;

BrA--Burkhardt Loam, 0 To 2 Percent Slopes

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.2 inches

Content of organic matter in the upper 10 inches: 2.4 percent

Typical profile:

H1--0 to 9 inches; loam  
H2--9 to 24 inches;  
H3--24 to 60 inches;

BrB--Burkhardt Loam, 2 To 6 Percent Slopes

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.4 inches

Content of organic matter in the upper 10 inches: 2.4 percent

Typical profile:

H1--0 to 9 inches; loam

H2--9 to 17 inches;

H3--17 to 60 inches;

BtA--Burkhardt Sandy Loam, 0 To 2 Percent Slopes

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 18 inches;

H3--18 to 60 inches;

BtB--Burkhardt Sandy Loam, 2 To 6 Percent Slopes

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 17 inches;

H3--17 to 60 inches;

BtB2--Burkhardt Sandy Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; sandy loam  
H2--8 to 14 inches;  
H3--14 to 60 inches;

BtC2--Burkhardt Sandy Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Burkhardt and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 17 inches;

H3--17 to 60 inches;

CaB--Chaseburg Fine Sandy Loam, 2 To 6 Percent Slopes

Component Description

Chaseburg and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

July August September October

Flooding is most likely (frequency, months):

Frequent

January February March April May

June November December

Ponding: None

Available water capacity to a depth of 60 inches: 11.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; fine sandy loam

H2--12 to 60 inches;

ChA--Chaseburg Silt Loam, 0 To 2 Percent Slopes

Component Description

Chaseburg and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

July August September October

Flooding is most likely (frequency, months):

Frequent

January February March April May

June November December

Ponding: None

Available water capacity to a depth of 60 inches: 12.4 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 60 inches;

#### ChB--Chaseburg Silt Loam, 2 To 6 Percent Slopes

##### Component Description

Chaseburg and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

July August September October

Flooding is most likely (frequency, months):

Occasional

January February March April May

June November December

Ponding: None

Available water capacity to a depth of 60 inches: 12.4 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 60 inches;

#### Co--Colo Silty Clay Loam

##### Component Description

Colo and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding does not occur (months):

January December

Flooding is most likely (frequency, months):

Occasional

February March April May June

July August September October

November

Wet soil moisture status is highest (depth, months):

0.5 foot

January February March April May

June July November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet

August September October

Ponding: None

Available water capacity to a depth of 60 inches: 11.7 inches

Content of organic matter in the upper 10 inches: 6.0 percent

Typical profile:

H1--0 to 10 inches; silty clay loam

H2--10 to 34 inches;

H3--34 to 60 inches;



CW--Census Water

Component Description

Census water

Extent: 100 percent of the unit

DdC2--Dodgeville Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Dodgeville and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.7 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 23 inches;

H3--23 to 35 inches;

H4--35 to 39 inches;

DdD2--Dodgeville Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Dodgeville and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.1 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 28 inches;

H3--28 to 35 inches;

DgC2--Dodgeville Silt Loam, Shallow, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 20 inches;

H3--20 to 60 inches;

DgD--Dodgeville Silt Loam, Shallow, 12 To 18 Percent Slopes

#### Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 20 inches;

H3--20 to 60 inches;

DgD2--Dodgeville Silt Loam, Shallow, 12 To 18 Percent Slopes, Moderately Eroded

#### Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 20 inches;

H3--20 to 60 inches;

DgE2--Dodgeville Silt Loam, Shallow, 18 To 35 Percent Slopes, Moderately Eroded

#### Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 30 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 20 inches;

H3--20 to 60 inches;

DhA--Downs And Mt. Carroll Silt Loams, 0 To 2 Percent Slopes

#### Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.0 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 15 inches; silt loam

H2--15 to 22 inches;

H3--22 to 41 inches;

H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DhB--Downs And Mt. Carroll Silt Loams, 2 To 6 Percent Slopes

#### Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.0 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 15 inches; silt loam

H2--15 to 22 inches;

H3--22 to 41 inches;

H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DhB2--Downs And Mt. Carroll Silt Loams, 2 To 6 Percent Slopes, Moderately Eroded

#### Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 41 inches;

H3--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DhC--Downs And Mt. Carroll Silt Loams, 6 To 12 Percent Slopes

#### Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.0 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 15 inches; silt loam  
    H2--15 to 22 inches;  
    H3--22 to 41 inches;  
    H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.7 inches  
Content of organic matter in the upper 10 inches: 2.1 percent  
Typical profile:  
    H1--0 to 8 inches; silt loam  
    H2--8 to 30 inches;  
    H3--30 to 62 inches;

DhC2--Downs And Mt. Carroll Silt Loams, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Downs and similar soils

Extent: 50 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.8 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 13 inches; silt loam  
    H2--13 to 41 inches;  
    H3--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.7 inches  
Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DhD--Downs And Mt. Carroll Silt Loams, 12 To 18 Percent Slopes

Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.0 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 15 inches; silt loam

H2--15 to 22 inches;

H3--22 to 41 inches;

H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DhD2--Downs And Mt. Carroll Silt Loams, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 41 inches;

H3--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 30 inches;

H3--30 to 62 inches;

DmA--Downs And Mt. Carroll Silt Loams, Benches, 0 To 2 Percent Slopes

Component Description

Downs and similar soils

Extent: 50 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.0 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 15 inches; silt loam

H2--15 to 22 inches;

H3--22 to 41 inches;

H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

4.0 feet

January February March April May  
November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet

June July August September  
October

Ponding: None

Available water capacity to a depth of 60 inches: 12.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 56 inches;

H3--56 to 60 inches;

DmB--Downs And Mt. Carroll Silt Loams, Benches, 2 To 6 Percent Slopes

Component Description

Downs and similar soils

Extent: 50 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.0 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 15 inches; silt loam  
    H2--15 to 22 inches;  
    H3--22 to 41 inches;  
    H4--41 to 60 inches;

Mt. carroll and similar soils

Extent: 50 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Moderately well drained  
Flooding: None  
Wet soil moisture status is highest (depth, months):  
    4.0 feet                      January February March April May  
                                    November December  
Wet soil moisture status is lowest (depth, months):  
    More than 6.0 feet          June July August September  
                                    October  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.6 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 12 inches; silt loam  
    H2--12 to 56 inches;  
    H3--56 to 60 inches;

DnB--Dubuque Silt Loam, 2 To 6 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 20 to 30 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 6.9 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 13 inches; silt loam  
    H2--13 to 32 inches;  
    H3--32 to 36 inches;  
    H4--36 to 46 inches;



DnB2--Dubuque Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.1 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 28 inches;

H3--28 to 32 inches;

H4--32 to 42 inches;

DnC--Dubuque Silt Loam, 6 To 12 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 32 inches;

H3--32 to 34 inches;

H4--34 to 44 inches;

DnC2--Dubuque Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.3 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 24 inches;

H3--24 to 28 inches;

H4--28 to 38 inches;

DnD--Dubuque Silt Loam, 12 To 18 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.1 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 28 inches;

H3--28 to 32 inches;

H4--32 to 42 inches;

DnD2--Dubuque Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.3 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 24 inches;

H3--24 to 28 inches;

H4--28 to 38 inches;

DnE--Dubuque Silt Loam, 18 To 25 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.7 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 26 inches;  
H3--26 to 30 inches;  
H4--30 to 40 inches;

DnF--Dubuque Silt Loam, 25 To 35 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 25 to 35 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.7 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 26 inches;

H3--26 to 30 inches;

H4--30 to 40 inches;

DrB--Dubuque Silt Loam, Shallow, 2 To 6 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 1.9 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 13 inches;

H3--13 to 20 inches;

H4--20 to 30 inches;

DrB2--Dubuque Silt Loam, Shallow, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.2 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 6 inches; silt loam  
H2--6 to 12 inches;  
H3--12 to 18 inches;  
H4--18 to 28 inches;

DrC2--Dubuque Silt Loam, Shallow, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 20 to 30 inches  
Drainage class: Well drained  
Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.2 inches  
Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 6 inches; silt loam  
H2--6 to 12 inches;  
H3--12 to 18 inches;  
H4--18 to 28 inches;

DrD--Dubuque Silt Loam, Shallow, 12 To 18 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 20 to 30 inches  
Drainage class: Well drained  
Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.9 inches  
Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; silt loam  
H2--12 to 16 inches;  
H3--16 to 20 inches;  
H4--20 to 30 inches;

DrD2--Dubuque Silt Loam, Shallow, 12 To 18 Percent Slopes, Moderately

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 20 to 30 inches  
Drainage class: Well drained  
Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.2 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 6 inches; silt loam

H2--6 to 12 inches;

H3--12 to 18 inches;

H4--18 to 28 inches;

DrE--Dubuque Silt Loam, Shallow, 18 To 25 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 14 inches;

H3--14 to 19 inches;

H4--19 to 29 inches;

DrF--Dubuque Silt Loam, Shallow, 25 To 35 Percent Slopes

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 14 inches;

H3--14 to 19 inches;

H4--19 to 29 inches;

DsD3--Dubuque Soils, 12 To 18 Percent Slopes, Severely Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.6 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 6 inches; silty clay loam

H2--6 to 20 inches;

H3--20 to 25 inches;

H4--25 to 35 inches;

DtD3--Dubuque Soils, Shallow, 12 To 18 Percent Slopes, Severely Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.4 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 6 inches; silty clay loam

H2--6 to 14 inches;

H3--14 to 24 inches;

DtE3--Dubuque Soils, Shallow, 18 To 25 Percent Slopes, Severely Eroded

Component Description

Dubuque and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Bedrock (lithic): 20 to 30 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.4 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 6 inches; silty clay loam

H2--6 to 14 inches;

H3--14 to 24 inches;

Du--Dune Land

Component Description

Dune land

Extent: 100 percent of the unit

FaA--Fayette Silt Loam, Uplands, 0 To 2 Percent Slopes

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.7 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
H1--0 to 14 inches; silt loam  
H2--14 to 43 inches;  
H3--43 to 60 inches;

FaB--Fayette Silt Loam, Uplands, 2 To 6 Percent Slopes

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.6 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
H1--0 to 11 inches; silt loam  
H2--11 to 41 inches;  
H3--41 to 60 inches;

FaB2--Fayette Silt Loam, Uplands, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.6 inches  
Content of organic matter in the upper 10 inches: 2.3 percent  
Typical profile:  
H1--0 to 9 inches; silt loam  
H2--9 to 38 inches;  
H3--38 to 60 inches;

FaC--Fayette Silt Loam, Uplands, 6 To 12 Percent Slopes

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)

Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 9 inches; silt loam  
H2--9 to 39 inches;  
H3--39 to 60 inches;

FaC2--Fayette Silt Loam, Uplands, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.2 percent  
Typical profile:  
H1--0 to 7 inches; silt loam  
H2--7 to 38 inches;  
H3--38 to 60 inches;

FaC3--Fayette Silt Loam, Uplands, 6 To 12 Percent Slopes, Severely Eroded

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 0.8 percent  
Typical profile:  
H1--0 to 6 inches; silt loam  
H2--6 to 33 inches;  
H3--33 to 60 inches;

FaD--Fayette Silt Loam, Uplands, 12 To 18 Percent Slopes

Component Description

Fayette and similar soils  
Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None



Ponding: None

Available water capacity to a depth of 60 inches: 11.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 40 inches;

H3--40 to 60 inches;

FaD2--Fayette Silt Loam, Uplands, 12 To 18 Percent Slopes, Moderately

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 1.2 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 36 inches;

H3--36 to 60 inches;

FaD3--Fayette Silt Loam, Uplands, 12 To 18 Percent Slopes, Severely Eroded

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 0.8 percent

Typical profile:

H1--0 to 6 inches; silt loam

H2--6 to 27 inches;

H3--27 to 60 inches;

FaE2--Fayette Silt Loam, Uplands, 18 To 25 Percent Slopes, Moderately

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 33 inches;  
H3--33 to 60 inches;

**FaE3--Fayette Silt Loam, Uplands, 18 To 25 Percent Slopes, Severely Eroded**

**Component Description**

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 25 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 0.8 percent  
Typical profile:

H1--0 to 6 inches; silt loam  
H2--6 to 27 inches;  
H3--27 to 60 inches;

**FaF2--Fayette Silt Loam, Uplands, 25 To 35 Percent Slopes, Moderately**

**Component Description**

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 25 to 35 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 33 inches;  
H3--33 to 60 inches;

**FbA--Fayette Silt Loam, Benches, 0 To 2 Percent Slopes**

**Component Description**

Bertrand and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.7 inches  
Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 45 inches;

H3--45 to 60 inches;

FbB--Fayette Silt Loam, Benches, 2 To 6 Percent Slopes

Component Description

Bertrand and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 45 inches;

H3--45 to 60 inches;

FbB2--Fayette Silt Loam, Benches, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Bertrand and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.6 inches

Content of organic matter in the upper 10 inches: 1.8 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 45 inches;

H3--45 to 60 inches;

FbC--Fayette Silt Loam, Benches, 6 To 12 Percent Slopes

Component Description

Bertrand and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 11 inches; silt loam  
H2--11 to 45 inches;  
H3--45 to 60 inches;

FbC2--Fayette Silt Loam, Benches, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Bertrand and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:

Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 7 inches; silt loam  
H2--7 to 40 inches;  
H3--40 to 60 inches;

FcB--Fayette Silt Loam, Valleys, 2 To 6 Percent Slopes

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.7 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
H1--0 to 15 inches; silt loam  
H2--15 to 50 inches;  
H3--50 to 60 inches;

FcB2--Fayette Silt Loam, Valleys, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 9 inches; silt loam

H2--9 to 45 inches;  
H3--45 to 60 inches;

FcC--Fayette Silt Loam, Valleys, 6 To 12 Percent Slopes

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.7 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 15 inches; silt loam  
    H2--15 to 50 inches;  
    H3--50 to 60 inches;

FcC2--Fayette Silt Loam, Valleys, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
    H1--0 to 9 inches; silt loam  
    H2--9 to 45 inches;  
    H3--45 to 60 inches;

FcD--Fayette Silt Loam, Valleys, 12 To 18 Percent Slopes

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.7 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:  
    H1--0 to 15 inches; silt loam  
    H2--15 to 50 inches;  
    H3--50 to 60 inches;

FcD2--Fayette Silt Loam, Valleys, 12 To 18 Percent Slopes, Moderately

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 45 inches;

H3--45 to 60 inches;

FcE2--Fayette Silt Loam, Valleys, 18 To 25 Percent Slopes, Moderately

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 45 inches;

H3--45 to 60 inches;

FcF--Fayette Silt Loam, Valleys, 25 To 35 Percent Slopes

Component Description

Fayette and similar soils

Extent: 100 percent of the unit

Slope range: 25 to 35 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 43 inches;

H3--43 to 60 inches;

FrB2--Fayette-Renova Silt Loams, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 40 inches;

H3--40 to 60 inches;

Renova and similar soils

Extent: 30 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.3 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 24 inches;

H3--24 to 52 inches;

H4--52 to 60 inches;

FrC2--Fayette-Renova Silt Loams, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 50 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.4 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 35 inches;

H3--35 to 60 inches;

Renova and similar soils

Extent: 30 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.3 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 9 inches; silt loam  
H2--9 to 24 inches;  
H3--24 to 52 inches;  
H4--52 to 60 inches;

FrD2--Fayette-Renova Silt Loams, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 50 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 9 inches; silt loam  
H2--9 to 35 inches;  
H3--35 to 60 inches;

Renova and similar soils

Extent: 30 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.3 inches  
Content of organic matter in the upper 10 inches: 1.4 percent  
Typical profile:  
H1--0 to 9 inches; silt loam  
H2--9 to 24 inches;  
H3--24 to 52 inches;  
H4--52 to 60 inches;

GaB2--Gale Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Gale and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Bedrock (paralithic): 20 to 40 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 6.3 inches



Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 27 inches;

H3--27 to 29 inches;

H4--29 to 37 inches;

H5--37 to 60 inches;

GaC2--Gale Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Gale and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.3 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 22 inches;

H3--22 to 25 inches;

H4--25 to 30 inches;

H5--30 to 60 inches;

GaD2--Gale Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Gale and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.3 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 22 inches;

H3--22 to 25 inches;

H4--25 to 30 inches;

H5--30 to 60 inches;

GhC2--Gale-Hixton Complex, Shallow, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Northfield and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.1 inches  
Content of organic matter in the upper 10 inches: 0.9 percent  
Typical profile:  
H1--0 to 6 inches; loam  
H2--6 to 16 inches;  
H3--16 to 60 inches;

GhD2--Gale-Hixton Complex, Shallow, 12 To 25 Percent Slopes, Moderately Eroded

Component Description

Northfield and similar soils  
Extent: 100 percent of the unit  
Surface layer texture: Loam  
Depth to restrictive feature:  
Bedrock (lithic): 10 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.1 inches  
Content of organic matter in the upper 10 inches: 0.9 percent  
Typical profile:  
H1--0 to 6 inches; loam  
H2--6 to 16 inches;  
H3--16 to 60 inches;

GhE2--Gale-Hixton Complex, Shallow, 18 To 25 Percent Slopes, Moderately Eroded

Component Description

Northfield and similar soils  
Extent: 100 percent of the unit  
Slope range: 18 to 25 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
Bedrock (lithic): 10 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.1 inches  
Content of organic matter in the upper 10 inches: 0.9 percent  
Typical profile:  
H1--0 to 6 inches; loam  
H2--6 to 16 inches;  
H3--16 to 60 inches;

Gm--Garwin Silt Loam

Component Description

Garwin and similar soils  
Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:

Very deep (more than 60 inches)  
Drainage class: Poorly drained  
Flooding: None  
Wet soil moisture status is highest (depth, months):  
1.5 feet                      January February March April May  
   June July November December  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet              August September October  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.3 inches  
Content of organic matter in the upper 10 inches: 6.5 percent  
Typical profile:  
H1--0 to 11 inches; silt loam  
H2--11 to 28 inches;  
H3--28 to 60 inches;

#### Gn--Genesee Sandy Loam

##### Component Description

Minneiska and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Sandy loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Moderately well drained  
Flooding does not occur (months):  
January February August September October November  
December  
Flooding is most likely (frequency, months):  
Occasional                      March April May June July  
Wet soil moisture status is highest (depth, months):  
3.2 feet                      March April May June  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet              January February July August  
   September October November  
December  
Ponding: None  
Available water capacity to a depth of 60 inches: 9.7 inches  
Content of organic matter in the upper 10 inches: 3.5 percent  
Typical profile:  
H1--0 to 10 inches; sandy loam  
H2--10 to 60 inches;

#### Gs--Genesee Silt Loam

##### Component Description

Minneiska and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Moderately well drained  
Flooding does not occur (months):  
January February August September October November  
December  
Flooding is most likely (frequency, months):  
Occasional                      March April May June July  
Wet soil moisture status is highest (depth, months):

3.2 feet                      March April May June  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet            January February July August  
                                 September October November  
                                 December

Ponding: None

Available water capacity to a depth of 60 inches: 11.6 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 40 inches; silt loam

H2--40 to 60 inches;

#### HfB--Hixton Fine Sandy Loam, 2 To 6 Percent Slopes

##### Component Description

Hixton and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.1 inches

Content of organic matter in the upper 10 inches: 1.2 percent

Typical profile:

H1--0 to 8 inches; fine sandy loam

H2--8 to 21 inches;

H3--21 to 26 inches;

H4--26 to 31 inches;

H5--31 to 41 inches;

#### HfC--Hixton Fine Sandy Loam, 6 To 12 Percent Slopes

##### Component Description

Hixton and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.1 inches

Content of organic matter in the upper 10 inches: 1.2 percent

Typical profile:

H1--0 to 8 inches; fine sandy loam

H2--8 to 21 inches;

H3--21 to 26 inches;

H4--26 to 31 inches;

H5--31 to 41 inches;

#### HfD--Hixton Fine Sandy Loam, 12 To 18 Percent Slopes

##### Component Description

Hixton and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent  
Surface layer texture: Fine sandy loam  
Depth to restrictive feature:  
    Bedrock (paralithic): 20 to 40 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 4.1 inches  
Content of organic matter in the upper 10 inches: 1.2 percent  
Typical profile:  
    H1--0 to 8 inches; fine sandy loam  
    H2--8 to 21 inches;  
    H3--21 to 26 inches;  
    H4--26 to 31 inches;  
    H5--31 to 41 inches;

#### HfE--Hixton Fine Sandy Loam, 18 To 35 Percent Slopes

##### Component Description

###### Hixton and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 35 percent  
Surface layer texture: Fine sandy loam  
Depth to restrictive feature:  
    Bedrock (paralithic): 20 to 40 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 4.1 inches  
Content of organic matter in the upper 10 inches: 1.2 percent  
Typical profile:  
    H1--0 to 8 inches; fine sandy loam  
    H2--8 to 21 inches;  
    H3--21 to 26 inches;  
    H4--26 to 31 inches;  
    H5--31 to 41 inches;

#### Hu--Huntsville Silt Loam

##### Component Description

###### Huntsville and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 5 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding does not occur (months):  
    July August September October November December  
Flooding is most likely (frequency, months):  
    Occasional                      January February March April May  
  June  
Ponding: None  
Available water capacity to a depth of 60 inches: 13.6 inches  
Content of organic matter in the upper 10 inches: 3.5 percent  
Typical profile:  
    H1--0 to 50 inches; silt loam  
    H2--50 to 60 inches;

JuA--Judson Silt Loam, 0 To 2 Percent Slopes

Component Description

Eitzen and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding does not occur (months):

January February March December

Flooding is most likely (frequency, months):

Occasional

April May June July August

September October November

Ponding: None

Available water capacity to a depth of 60 inches: 13.0 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 35 inches; silt loam

H2--35 to 49 inches;

H3--49 to 60 inches;

JuB--Judson Silt Loam, 2 To 6 Percent Slopes

Component Description

Eitzen and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

January February March December

Flooding is most likely (frequency, months):

Occasional

April May June July August

September October November

Ponding: None

Available water capacity to a depth of 60 inches: 13.0 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 35 inches; silt loam

H2--35 to 49 inches;

H3--49 to 60 inches;

LnB--Lindstrom Silt Loam, 2 To 6 Percent Slopes

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 13.1 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 26 inches;

H3--26 to 60 inches;

LnC--Lindstrom Silt Loam, 6 To 12 Percent Slopes

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 13.1 inches

Content of organic matter in the upper 10 inches: 3.7 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 26 inches;

H3--26 to 60 inches;

LnC2--Lindstrom Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.6 inches

Content of organic matter in the upper 10 inches: 3.2 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 18 inches;

H3--18 to 50 inches;

H4--50 to 60 inches;

LnD--Lindstrom Silt Loam, 12 To 18 Percent Slopes

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.7 inches

Content of organic matter in the upper 10 inches: 3.7 percent

Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 22 inches;  
H3--22 to 50 inches;  
H4--50 to 60 inches;

LnD2--Lindstrom Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 13.2 inches  
Content of organic matter in the upper 10 inches: 3.7 percent  
Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 29 inches;  
H3--29 to 60 inches;  
H4--60 to 70 inches;

LnE2--Lindstrom Silt Loam, 18 To 25 Percent Slopes, Moderately Eroded

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 25 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 13.2 inches  
Content of organic matter in the upper 10 inches: 3.7 percent  
Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 29 inches;  
H3--29 to 60 inches;  
H4--60 to 70 inches;

MbA--Medary Silt Loam, Brown Variant, 0 To 2 Percent Slopes

Component Description

Medary and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Moderately well drained  
Flooding: None  
Wet soil moisture status is highest (depth, months):  
4.3 feet                      January February March April May



November December  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet June July August September  
October

Ponding: None

Available water capacity to a depth of 60 inches: 8.6 inches

Content of organic matter in the upper 10 inches: 1.3 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 14 inches;

H3--14 to 24 inches;

H4--24 to 60 inches;

#### MbB--Medary Silt Loam, Brown Variant, 2 To 6 Percent Slopes

##### Component Description

Medary and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

4.3 feet January February March April May  
November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet June July August September  
October

Ponding: None

Available water capacity to a depth of 60 inches: 8.6 inches

Content of organic matter in the upper 10 inches: 1.3 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 14 inches;

H3--14 to 24 inches;

H4--24 to 60 inches;

#### MdA--Meridian Sandy Loam, 0 To 2 Percent Slopes

##### Component Description

Meridian and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 11 inches; sandy loam

H2--11 to 28 inches;

H3--28 to 30 inches;

H4--30 to 60 inches;

## MdB--Meridian Sandy Loam, 2 To 6 Percent Slopes

### Component Description

#### Meridian and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.6 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 11 inches; sandy loam

H2--11 to 28 inches;

H3--28 to 30 inches;

H4--30 to 60 inches;

## MdB2--Meridian Sandy Loam, 2 To 6 Percent Slopes, Moderately Eroded

### Component Description

#### Meridian and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 25 inches;

H3--25 to 27 inches;

H4--27 to 60 inches;

## MdC--Meridian Sandy Loam, 6 To 12 Percent Slopes

### Component Description

#### Meridian and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 25 inches;

H3--25 to 28 inches;

H4--28 to 60 inches;

## MdC2--Meridian Sandy Loam, 6 To 12 Percent Slopes, Moderately Eroded

### Component Description

#### Meridian and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 25 inches;

H3--25 to 27 inches;

H4--27 to 60 inches;

## Mn--Minneiska Silt Loam

### Component Description

#### Minneiska and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding does not occur (months):

January February August September October November  
December

Flooding is most likely (frequency, months):

Occasional March April May June July

Wet soil moisture status is highest (depth, months):

3.2 feet March April May June

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet January February July August  
September October November  
December

Ponding: None

Available water capacity to a depth of 60 inches: 7.6 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 21 inches; silt loam

H2--21 to 27 inches;

H3--27 to 60 inches;

## MuA--Muscatine Silt Loam, 0 To 2 Percent Slopes

### Component Description

#### Joy and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

3.0 feet                      April May June

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet              January February March July  
August September October  
November December

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 32 inches;

H3--32 to 60 inches;

#### MuB--Muscatine Silt Loam, 2 To 6 Percent Slopes

##### Component Description

Joy and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 5 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

3.0 feet                      April May June

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet              January February March July  
August September October  
November December

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 32 inches;

H3--32 to 60 inches;

#### Os--Osseo Silt Loam

##### Component Description

Orion and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding does not occur (months):

January February December

Flooding is most likely (frequency, months):

Frequent                      March April May June July August  
September October November

Wet soil moisture status is highest (depth, months):

2.0 feet                      January February March April May  
November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet              June July August September

October

Ponding: None

Available water capacity to a depth of 60 inches: 12.4 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 5 inches; silt loam

H2--5 to 29 inches;

H3--29 to 60 inches;

**PaA--Plainfield Fine Sand, 0 To 2 Percent Slopes**

**Component Description**

Plainfield and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 7 inches; fine sand

H2--7 to 26 inches;

H3--26 to 60 inches;

**PaB--Plainfield Fine Sand, 2 To 6 Percent Slopes**

**Component Description**

Plainfield and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 7 inches; fine sand

H2--7 to 26 inches;

H3--26 to 60 inches;

**PaC--Plainfield Fine Sand, 6 To 12 Percent Slopes**

**Component Description**

Plainfield and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.3 inches  
Content of organic matter in the upper 10 inches: 1.0 percent  
Typical profile:  
H1--0 to 7 inches; fine sand  
H2--7 to 26 inches;  
H3--26 to 60 inches;

PbA--Port Byron Silt Loam, 0 To 2 Percent Slopes

Component Description

Port byron and similar soils  
Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.9 inches  
Content of organic matter in the upper 10 inches: 3.0 percent  
Typical profile:  
  
H1--0 to 17 inches; silt loam  
H2--17 to 41 inches;  
H3--41 to 60 inches;

PbB--Port Byron Silt Loam, 2 To 6 Percent Slopes

Component Description

Port byron and similar soils  
Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.8 inches  
Content of organic matter in the upper 10 inches: 3.0 percent  
Typical profile:  
H1--0 to 11 inches; silt loam  
H2--11 to 39 inches;  
H3--39 to 60 inches;

PbB2--Port Byron Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Port byron and similar soils  
Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 33 inches;

H3--33 to 60 inches;

PbC--Port Byron Silt Loam, 6 To 12 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 38 inches;

H3--38 to 60 inches;

PbC2--Port Byron Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 52 inches;

H3--52 to 60 inches;

PoA--Port Byron Silt Loam, Benches, 0 To 2 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.9 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 17 inches; silt loam  
H2--17 to 41 inches;  
H3--41 to 60 inches;

PoB--Port Byron Silt Loam, Benches, 2 To 6 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 12.8 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 35 inches;

H3--35 to 60 inches;

RaA--Racine Silt Loam, 0 To 2 Percent Slopes

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.3 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 13 inches; silt loam

H2--13 to 20 inches;

H3--20 to 37 inches;

H4--37 to 60 inches;

RaB--Racine Silt Loam, 2 To 6 Percent Slopes

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.2 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:



H1--0 to 12 inches; silt loam  
H2--12 to 20 inches;  
H3--20 to 35 inches;  
H4--35 to 60 inches;

RaB2--Racine Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.1 inches

Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 18 inches;

H3--18 to 35 inches;

H4--35 to 60 inches;

RaC2--Racine Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.1 inches

Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 18 inches;

H3--18 to 35 inches;

H4--35 to 60 inches;

RaD2--Racine Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 9.9 inches

Content of organic matter in the upper 10 inches: 2.6 percent

Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 16 inches;  
H3--16 to 33 inches;  
H4--33 to 60 inches;

ReB--Renova Silt Loam, 2 To 6 Percent Slopes

Component Description

Renova and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.3 inches  
Content of organic matter in the upper 10 inches: 1.5 percent  
Typical profile:

H1--0 to 11 inches; silt loam  
H2--11 to 24 inches;  
H3--24 to 52 inches;  
H4--52 to 60 inches;

ReB2--Renova Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.3 inches  
Content of organic matter in the upper 10 inches: 1.5 percent  
Typical profile:

H1--0 to 11 inches; silt loam  
H2--11 to 24 inches;  
H3--24 to 52 inches;  
H4--52 to 60 inches;

ReC--Renova Silt Loam, 6 To 12 Percent Slopes

Component Description

Renova and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.3 inches

Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 24 inches;

H3--24 to 52 inches;

H4--52 to 60 inches;

ReC2--Renova Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 9.9 inches

Content of organic matter in the upper 10 inches: 1.3 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 20 inches;

H3--20 to 52 inches;

H4--52 to 50 inches;

ReD--Renova Silt Loam, 12 To 18 Percent Slopes

Component Description

Renova and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.4 inches

Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 20 inches;

H3--20 to 36 inches;

H4--36 to 60 inches;

ReD2--Renova Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 10.3 inches  
Content of organic matter in the upper 10 inches: 1.3 percent  
Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 20 inches;  
H3--20 to 36 inches;  
H4--36 to 60 inches;

ReE2--Renova Silt Loam, 18 To 25 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 25 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 10.3 inches  
Content of organic matter in the upper 10 inches: 1.3 percent  
Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 20 inches;  
H3--20 to 36 inches;  
H4--36 to 60 inches;

ReF2--Renova Silt Loam, 25 To 35 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 100 percent of the unit  
Slope range: 25 to 35 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 10.3 inches  
Content of organic matter in the upper 10 inches: 1.3 percent  
Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 20 inches;  
H3--20 to 36 inches;  
H4--36 to 60 inches;

RkB2--Renova-Wyckoff Loams, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 50 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.2 inches

Content of organic matter in the upper 10 inches: 1.3 percent

Typical profile:

H1--0 to 8 inches; loam

H2--8 to 22 inches;

H3--22 to 52 inches;

H4--52 to 60 inches;

Wykoff and similar soils

Extent: 30 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.9 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 8 inches; loam

H2--8 to 22 inches;

H3--22 to 27 inches;

H4--27 to 35 inches;

H5--35 to 60 inches;

RkC2--Renova-Wykoff Loams, 6 To 12 Percent Slopes, Moderately Eroded

#### Component Description

Renova and similar soils

Extent: 50 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 11.2 inches

Content of organic matter in the upper 10 inches: 1.3 percent

Typical profile:

H1--0 to 8 inches; loam

H2--8 to 22 inches;

H3--22 to 52 inches;

H4--52 to 60 inches;

Wykoff and similar soils

Extent: 30 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.9 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 8 inches; loam

H2--8 to 22 inches;

H3--22 to 27 inches;  
H4--27 to 35 inches;  
H5--35 to 60 inches;

RkD2--Renova-Wykoff Loams, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Renova and similar soils

Extent: 45 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.2 inches  
Content of organic matter in the upper 10 inches: 1.3 percent  
Typical profile:  
    H1--0 to 8 inches; loam  
    H2--8 to 22 inches;  
    H3--22 to 52 inches;  
    H4--52 to 60 inches;

Wykoff and similar soils

Extent: 35 percent of the unit  
  
Slope range: 12 to 18 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.9 inches  
Content of organic matter in the upper 10 inches: 1.6 percent  
Typical profile:  
    H1--0 to 8 inches; loam  
    H2--8 to 22 inches;  
    H3--22 to 27 inches;  
  
    H4--27 to 35 inches;  
    H5--35 to 60 inches;

Rv--Riverwash

Component Description

Riverwash

Extent: 100 percent of the unit

SbD2--Seaton-Bold Soils, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Fayette and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)

Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 11.4 inches  
Content of organic matter in the upper 10 inches: 1.2 percent  
Typical profile:  
H1--0 to 7 inches; silt loam  
H2--7 to 36 inches;  
H3--36 to 60 inches;

#### So--Sogn Soils

##### Component Description

###### Sogn and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Bedrock (lithic): 4 to 20 inches  
Drainage class: Somewhat excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 2.0 inches  
Content of organic matter in the upper 10 inches: 3.0 percent  
Typical profile:  
H1--0 to 10 inches; silt loam  
H2--10 to 20 inches;

#### SpA--Sparta Loamy Fine Sand, 0 To 2 Percent Slopes

##### Component Description

###### Sparta and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 4.6 inches  
Content of organic matter in the upper 10 inches: 1.5 percent  
Typical profile:  
H1--0 to 15 inches; loamy fine sand  
H2--15 to 30 inches;  
H3--30 to 60 inches;

#### SpB--Sparta Loamy Fine Sand, 2 To 6 Percent Slopes

##### Component Description

###### Sparta and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None

Available water capacity to a depth of 60 inches: 4.6 inches  
Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 15 inches; loamy fine sand  
H2--15 to 30 inches;  
H3--30 to 60 inches;

Sr--Steep, Stony, And Rocky Land

Component Description

Lacrescent and similar soils

Extent: 50 percent of the unit

Slope range: 25 to 70 percent

Surface layer texture: Cobbly silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.3 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 17 inches; cobbly silty clay loam  
H2--17 to 28 inches;  
H3--28 to 60 inches;

Brodale and similar soils

Extent: 40 percent of the unit

Slope range: 25 to 70 percent

Surface layer texture: Cobbly loam

Depth to restrictive feature:

Bedrock (lithic): 40 to 80 inches

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.6 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 6 inches; cobbly loam  
H2--6 to 50 inches;  
H3--50 to 60 inches;

St--Stony Colluvial Land

Component Description

Beavercreek and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 15 percent

Surface layer texture: Cobbly silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding does not occur (months):

January February March July August September October  
November December

Flooding is most likely (frequency, months):

Occasional April May June

Ponding: None

Available water capacity to a depth of 60 inches: 5.0 inches



Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 12 inches; cobbly silt loam

H2--12 to 60 inches;

ThA--Tell Silt Loam, 0 To 2 Percent Slopes

Component Description

Tell and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 26 inches;

H3--26 to 36 inches;

H4--36 to 60 inches;

ThB--Tell Silt Loam, 2 To 6 Percent Slopes

Component Description

Tell and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 26 inches;

H3--26 to 36 inches;

H4--36 to 60 inches;

ThB2--Tell Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Tell and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.8 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 25 inches;  
H3--25 to 30 inches;  
H4--30 to 60 inches;

Tm--Terrace Escarpments, Loamy

Component Description

Tell and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 30 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.2 inches  
Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; silt loam  
H2--10 to 28 inches;  
H3--28 to 32 inches;  
H4--32 to 60 inches;

Ts--Terrace Escarpments, Sandy

Component Description

Plainfield and similar soils

Extent: 100 percent of the unit  
Slope range: 20 to 50 percent  
Surface layer texture: Sand  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Excessively drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.1 inches  
Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 8 inches; sand  
H2--8 to 60 inches;

WaA--Waukegan Silt Loam, 0 To 2 Percent Slopes

Component Description

Waukegan and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.3 inches  
Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 19 inches; silt loam  
H2--19 to 34 inches;  
H3--34 to 60 inches;

WaB--Waukegan Silt Loam, 2 To 6 Percent Slopes

Component Description

Waukegan and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.4 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 30 inches;

H3--30 to 60 inches;

WaB2--Waukegan Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Waukegan and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.0 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 28 inches;

H3--28 to 60 inches;

WaC2--Waukegan Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Waukegan and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.5 inches

Content of organic matter in the upper 10 inches: 3.3 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 25 inches;

H3--25 to 60 inches;

WhB2--Whalan Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Whalan and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.1 inches

Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 11 inches; silt loam

H2--11 to 28 inches;

H3--28 to 31 inches;

H4--31 to 41 inches;

WhC2--Whalan Silt Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Whalan and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.8 inches

Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 26 inches;

H3--26 to 30 inches;

H4--30 to 40 inches;

WhD2--Whalan Silt Loam, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Whalan and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.6 inches

Content of organic matter in the upper 10 inches: 1.2 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 25 inches;

H3--25 to 29 inches;  
H4--29 to 39 inches;

WsB2--Whalan Silt Loam, Shallow, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Nordness and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 8 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.9 inches  
Content of organic matter in the upper 10 inches: 2.4 percent  
Typical profile:  
    H1--0 to 9 inches; silt loam  
  
    H2--9 to 15 inches;  
    H3--15 to 20 inches;  
    H4--20 to 30 inches;

WsC--Whalan Silt Loam, Shallow, 6 To 12 Percent Slopes

Component Description

Nordness and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 8 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.4 inches  
Content of organic matter in the upper 10 inches: 2.4 percent  
Typical profile:  
    H1--0 to 9 inches; silt loam  
    H2--9 to 15 inches;  
    H3--15 to 17 inches;  
    H4--17 to 27 inches;

WsC2--Whalan Silt Loam, Shallow, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Nordness and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 8 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.3 inches  
Content of organic matter in the upper 10 inches: 1.8 percent  
Typical profile:

H1--0 to 6 inches; silt loam  
H2--6 to 14 inches;  
H3--14 to 16 inches;  
H4--16 to 26 inches;

WsD--Whalan Silt Loam, Shallow, 12 To 18 Percent Slopes

Component Description

Nordness and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 8 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 3.4 inches  
Content of organic matter in the upper 10 inches: 2.5 percent  
Typical profile:

H1--0 to 10 inches; silt loam  
H2--10 to 14 inches;  
H3--14 to 17 inches;  
H4--17 to 27 inches;

WsD2--Whalan Silt Loam, Shallow, 12 To 18 Percent Slopes, Moderately Eroded

Component Description

Nordness and similar soils

Extent: 100 percent of the unit  
Slope range: 12 to 18 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Bedrock (lithic): 8 to 20 inches  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 2.9 inches  
Content of organic matter in the upper 10 inches: 1.3 percent  
Typical profile:

H1--0 to 8 inches; silt loam  
H2--8 to 12 inches;  
H3--12 to 15 inches;  
H4--15 to 25 inches;

WsE2--Whalan Silt Loam, Shallow, 18 To 25 Percent Slopes, Moderately Eroded

Component Description

Dorerton and similar soils

Extent: 100 percent of the unit  
Slope range: 18 to 25 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
    Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 6.7 inches  
Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 10 inches; silt loam  
H2--10 to 18 inches;  
H3--18 to 30 inches;  
H4--30 to 60 inches;

WsF2--Whalan Silt Loam, Shallow, 25 To 35 Percent Slopes, Moderately Eroded

Component Description

Dorerton and similar soils

Extent: 100 percent of the unit  
Slope range: 25 to 35 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 6.7 inches  
Content of organic matter in the upper 10 inches: 1.5 percent  
Typical profile:

H1--0 to 10 inches; silt loam  
H2--10 to 18 inches;  
H3--18 to 30 inches;  
H4--30 to 60 inches;

WvB--Wykoff Gravelly Loam, 2 To 6 Percent Slopes

Component Description

Wykoff and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.7 inches  
Content of organic matter in the upper 10 inches: 1.8 percent  
Typical profile:

H1--0 to 9 inches; silt loam  
H2--9 to 15 inches;  
H3--15 to 23 inches;  
H4--23 to 30 inches;  
H5--30 to 60 inches;

WvC2--Wykoff Gravelly Loam, 6 To 12 Percent Slopes, Moderately Eroded

Component Description

Wykoff and similar soils

Extent: 100 percent of the unit  
Slope range: 6 to 12 percent  
Surface layer texture: Loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Well drained  
Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.7 inches

Content of organic matter in the upper 10 inches: 1.8 percent

Typical profile:

H1--0 to 9 inches; loam

H2--9 to 15 inches;

H3--15 to 23 inches;

H4--23 to 30 inches;

H5--30 to 60 inches;

WvD2--Wykoff Gravelly Loam, 12 To 18 Percent Slopes, Moderately Eroded

#### Component Description

Wykoff and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.7 inches

Content of organic matter in the upper 10 inches: 1.8 percent

Typical profile:

H1--0 to 9 inches; loam

H2--9 to 15 inches;

H3--15 to 23 inches;

H4--23 to 30 inches;

H5--30 to 60 inches;

WvE2--Wykoff Gravelly Loam, 18 To 35 Percent Slopes, Moderately Eroded

#### Component Description

Wykoff and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 30 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.7 inches

Content of organic matter in the upper 10 inches: 1.8 percent

Typical profile:

H1--0 to 9 inches; loam

H2--9 to 15 inches;

H3--15 to 23 inches;

H4--23 to 30 inches;

H5--30 to 60 inches;

Zb--Zumbro Loamy Fine Sand

#### Component Description

Zumbro and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent



Surface layer texture: Loamy fine sand  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Moderately well drained  
Flooding: None  
Ponding: None  
Available water capacity to a depth of 60 inches: 6.0 inches  
Content of organic matter in the upper 10 inches: 1.5 percent  
Typical profile:  
H1--0 to 13 inches; loamy fine sand  
H2--13 to 30 inches;  
H3--30 to 60 inches;

ZgA--Zwingle Silt Loam, 0 To 2 Percent Slopes

Component Description

Zwingle and similar soils

Extent: 100 percent of the unit  
Slope range: 0 to 2 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Poorly drained  
Flooding: None  
Wet soil moisture status is highest (depth, months):  
1.5 feet                      January February March April May  
   June July November December  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet              August September October  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.9 inches  
Content of organic matter in the upper 10 inches: 2.1 percent  
Typical profile:  
H1--0 to 8 inches; silt loam  
H2--8 to 60 inches;

ZgB--Zwingle Silt Loam, 2 To 6 Percent Slopes

Component Description

Zwingle and similar soils

Extent: 100 percent of the unit  
Slope range: 2 to 6 percent  
Surface layer texture: Silt loam  
Depth to restrictive feature:  
Very deep (more than 60 inches)  
Drainage class: Poorly drained  
Flooding: None  
Wet soil moisture status is highest (depth, months):  
1.5 feet                      January February March April May  
   June July November December  
Wet soil moisture status is lowest (depth, months):  
More than 6.0 feet              August September October  
Ponding: None  
Available water capacity to a depth of 60 inches: 8.9 inches  
Content of organic matter in the upper 10 inches: 2.1 percent  
Typical profile:  
H1--0 to 8 inches; silt loam  
H2--8 to 60 inches;

ZgB2--Zwingle Silt Loam, 2 To 6 Percent Slopes, Moderately Eroded

Component Description

Zwingle and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

|          |         |          |          |          |     |
|----------|---------|----------|----------|----------|-----|
| 1.5 feet | January | February | March    | April    | May |
|          | June    | July     | November | December |     |

Wet soil moisture status is lowest (depth, months):

|                    |        |           |         |
|--------------------|--------|-----------|---------|
| More than 6.0 feet | August | September | October |
|--------------------|--------|-----------|---------|

Ponding: None

Available water capacity to a depth of 60 inches: 8.9 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 8 inches; silt loam

H2--8 to 60 inches;